

Chip design for microfluidic bioimpedance measurement

Giannitsis, Athanasios; Cahill, Brian; **Land, Raul**; Gastrock, Gunter; Pliquett, Uwe; Nacke, T.; **Min, Mart**; Beckmann, Dieter
Tagungsband : Technische Systeme für die Lebenswissenschaften : 14.Heiligenstädter Kolloquium : Heiligenstadt (Germany), 22.9-24.9.2008 2008 / p. 423-432

Comparison of rectangular wave excitations in broad band impedance spectroscopy for microfluidic applications

Min, Mart; Giannitsis, Athanasios; **Land, Raul**; Cahill, Brian; Pliquett, Uwe; Nacke, T.; Frense, Dieter; Gastrock, Gunter; Beckmann, Dieter
World Congress on Medical Physics and Biomedical Engineering : September 7-12, 2009, Munich, Germany 2009 / p. 85-88
https://link.springer.com/chapter/10.1007/978-3-642-03885-3_24

Electrowetting as a tool for droplet actuation : electrode design and simulation

Giannitsis, Athanasios; Cahill, Brian; **Land, Raul**; Gastrock, G.; Pliquett, Uwe; Nacke, T.; **Min, Mart**; Beckmann, Dieter
Tagungsband : Technische Systeme für die Lebenswissenschaften : 14.Heiligenstädter Kolloquium : Heiligenstadt (Germany), 22.9-24.9.2008 2008 / p. 433-442

Fabrication methods for microfluidic lab-on-chips

Giannitsis, Athanasios; Min, Mart BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 69-72

Front-end electronics for impedimetric microfluidic devices

Ojarand, Jaan; Giannitsis, Athanasios; **Min, Mart; Land, Raul** Bioelectronics, Biomedical, and Bioinspired Systems V; and Nanotechnology V : 18-20 April 2011, Prague, Czech Republic 2011 / p. 80680R-1 - 80680R-15 : ill

Improving coplanar electrodes for moving water droplets

Giannitsis, Athanasios; Cahill, Brian; Pliquett, Uwe; Gastrock, Gunter; **Land, Raul**; Nacke, T.; **Min, Mart**; Beckmann, Dieter
Proceedings of the 1st European Conference on Microfluidics - Microfluidics 2008 : Bologna, Italy December 10-12, 2008 2008 / [10] p

Integration of biosensors and associated electronics on lab-on-chip devices

Giannitsis, Athanasios; Parve, Toomas; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 61-66 : ill

Microfabrication of biomedical lab-on-chip devices : a review

Giannitsis, Athanasios Estonian journal of engineering 2011 / p. 109-139 : ill

Optimization of electrowetting electrodes : analysis of the leakage current characteristics of various dielectric layers

Cahill, Brian; Giannitsis, Athanasios; Land, Raul; Min, Mart BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 79-82 : ill

Reversible electrowetting on silanized silicon nitride

Cahill, Brian; Giannitsis, Athanasios; **Land, Raul**; Gastrock, Gunter; Pliquett, Uwe; Frense, Dieter; **Min, Mart**; Beckmann, Dieter
Sensors and actuators B. Chemical 2010 / p. 380-386 : ill

Usage of microfluidic lab-on-chips in biomedicine

Giannitsis, Athanasios; Min, Mart BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 249-252